

**Table 1.** Swamp Creek Siphon Project Design

<b>Item #</b>	<b>Task</b>	<b>Cost estimate</b>
1	Project Kick off and Field work surveys	\$ 9,866
2	Hydrology and hydrologic analysis and design	\$ 8,462
3	Preliminary design (65%), Design drawings, Specs and cost opinions	\$ 19,180
4	Permitting Support	\$ 1,944
5	Preliminary Design Review	\$ 3,336
6	Final Design and Construction Documents	\$ 12,768
<b>Total</b>		<b>\$ 55,556</b>

**Table 2.** Swamp Creek Siphon Project Construction and preliminary total project cost estimate.

<b>Item #</b>	<b>Task</b>	<b>Cost Estimate</b>
1	Mobilization/Demobilization	\$ 23,000
2	Site Cleaning and Preparation	\$ 2,000
3	Erosion Control and Dewatering	\$ 10,000
4	Imported Ditch Bank Embankment	\$ 5,000
5	Excavation and Embankment	\$ 10,000
6	Streambank/canal Riprap	\$ 15,000
7	Large Diameter HDPE Siphon Pipe	\$ 60,000
8	Reinforced Concrete	\$ 60,000
9	Steel Slide Gate	\$ 15,000
10	Overflow Radial Gate	\$ 25,000
11	Irrigation Diversion Structure	\$ 15,000
12	Trashrack	\$ 5,000
13	Revegetation	\$ 5,000
	<b>Construction Sub Total</b>	<b>\$ 250,000</b>
	<b>Contingency (20%)</b>	<b>\$ 50,000</b>
	<b>Design</b>	<b>\$ 55, 556</b>
	<b>Design Oversight</b>	<b>\$ 20,000</b>
	<b>RRGL grant Administration</b>	<b>\$10,000</b>
	<b>PROJECT TOTAL</b>	<b>\$ 385,556</b>

**Table 3.** Swamp Creek Siphon Project Schedule

<b>Task</b>	<b>Schedule</b>
Pre-Project Monitoring	April 2012-August 2013
WCS Climate Adaptation Fund	April 1, 2012
DNRC Renewable Resource Grant and Loan Program	May 15, 2012
Future Fisheries Improvement Program	June 1, 2012
Complete Design	June 22, 2012
USFWS Fish Passage Initiative Grant	September 30, 2012
MEPA	January – March 2013
Permitting	March-June 2013
Construction Procurement	June-July 2013
Construction	August- November 2013

## **Appendix A**

### **Budget Tables and Project Schedule**

## **Appendix B**

### **Swamp Creek Preliminary Design**

**(Nine Drawings)**

**Appendix C**  
**Letters of Support**

- 1) The Nature Conservancy
- 2) Beaverhead County Commissioners
- 3) Big Hole River Foundation
- 4) Big Hole Watershed Committee
- 5) Arctic Grayling Recovery Program
- 6) USFWS Partner for Fish and Wildlife Program
- 7) Department of Natural Resource and Conservation
- 8) Montana Fish, Wildlife & Parks
- 9) Montana Trout Unlimited
- 10) Beaverhead Conservation District